

ABSTRACT

A system, method, and apparatus is provided for computerized management of the databases relating to phenotypic health assessment and genomic mapping and genetic screening of animals. Multiple remote users can access a computer network connected with a central database processing resource for managing the data. There is appropriate security and payment of appropriate fees for accessing and retrieving data. Users may input data relating to animal health, lifespan, and genetic background, and obtain reports relating to phenotypic health assessment of a particular animal subject or animal group, and genotypic characteristics of a particular subject or animal group to which this subject belongs. The central computer database processing resource stores phenotypic data and genotypic data relating to animals and analyzes their relationship according to predetermined criteria. The input of data and reporting of data is preferably electronic, or through fax or voice communication. The analysis of the health assessment database and genetic database can be automatic and/or in part manually interpreted by experts related to the central database processing resources.